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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/943,939	08/31/2001	Cedric K. R. H. Bouleau	09428/183001; 59.0054	2051

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EXAMINER	
TRAN, MYLINH T	

ART UNIT	PAPER NUMBER
2179	

NOTIFICATION DATE	DELIVERY MODE
09/27/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

09/943,939

Applicant(s)

BOULEAU, CEDRIC K. R. H.

Examiner

Mylinh Tran

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 July 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,6,7,9,11-15,18-21,24-30,33-36 and 39 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,6-7, 9, 11-15, 18-21, 24-30, 33-36 and 39 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

Applicant's Amendment filed 07/10/07 has been entered and carefully considered. Claims 1, 18, 27, 33 and 39 have been amended. However, the limitations of the amended claims have not been found to be patentable over prior art of record, therefore, claims 1, 6-7, 9, 11-15, 18-21, 24-30, 33-36 and 39

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 6-7, 9, 11-15, 18-21, 24-30, 33-36 and 39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carroll [US. 2002/0085020] in view of Khalfay et al. [US. 7,039,875].

As per independent claims 1, 18, 27 and 33, Carroll teaches a computer implemented method and corresponding system for providing a dynamically modifiable user interface comprising the steps/means:

a memory configured to store a UI view definition for the user interface (page 1, 0017-0021); and

a processor configured to execute a UI view manager (page 3, 0054-0055, Web browser is considered as the first application), wherein the UI view manager comprising functionality to dynamically generate at run-time the user interface

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from the UI view definition (page 5, (0167) and page 7, (2 121), wherein the UI view manager instantiates, as part of the user interface, (page 3, (0059) and page 5, (0189)), (page 7, (0212) and page 9, (0243)).

Carroll also teaches the wrapped control comprising a control (page 1, 0061, Java application is considered as the second application) and a wrapper (page 7, (0214) and page 3, (0059); wherein each wrapper provides an interface between the control and the UI view manager (page 12, (0256) –page 13, (0263) wherein each control comprises an application, wherein each application generates a graphical output and wherein the output of each control is displayed, using the UI view manager, in the one of the plurality of panels in which the control is located (Java application and browser are two currently executing applications).

Carroll fail to clearly teach the plurality of panels and the UI view definition specifying a layout of a plurality of panels in the user interface; the plurality of panels, each of the plurality of panels comprising a wrapped control.

However, Khalfay et al. teach the plurality of panels (column 1, lines 59-67 and column 2, lines 25-65); the UI view definition specifying a layout of a plurality of panels (figures 2-3); and the plurality of panels, each of the plurality of panels comprising a wrapped control (column 5, line 60 through column 6, line 50).

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to combine the teaching of plurality of panels of Khalfay

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with the Carroll's system. The motivation would have been to enhance the GUI for those who might need.

While Carroll in view of Khalfay fail to clearly teach at least one wrapped control being generated using a development license key for the control and a run-time license key being required to execute the at least one wrapped controller.

However, official notice is taken that requiring the license key for using a software application was well known in the computer art. It would have been obvious to one of skill in art, at the time the invention was made, to require the license key for each software application. Motivation of the combination would have been for allowing a software to be installed.

As per claims 6, 20, 29 and 35, Carroll teaches the UI view manager being operable to dynamically change at a run-time a function of at least one of the wrapped control (page 9, (0244)).

As per claim 7, which is dependent on claim 1, it is inherent in Carroll's system to comprise a UI container, wherein the user interface is provided within an environment provided by the UI container.

As per claim 9, which is dependent on of claim 1, Carroll teaches the UI view manager instantiates at least one of the wrapped controls as part of the user interface by:

providing functionality of the at least wrapped control to be performed in response to activating a user interface element of the at least wrapped control in the user interface (page 7, (0210) and page 12, (0256) - page 13, (0263).

As per claim 11, which is dependent on claim 1, Carroll teaches the UI view manager containing an implementation of a UI view interface and the at least one of the wrapped control invokes function of the UI view interface implementation of the UI view interface to communicate with the UI view manager (page 7, (0210) and page 12, (0256) - page 13, (0263)).

As per claim 12, which is dependent on claim 1, Carroll teaches the UI view manager being operable to dynamically generate the user interface in response to a change to the UI view definition (page 14, (0268)).

As per claim 13, which is dependent on claim 1, Carroll teaches:

a user interface designer for providing a UI view definition (page 8, (0236)).

As per claim 14, which is dependent on claim 1, Carroll teaches the UI view definition corresponding to an XML file (fig. 17).

As per claim 15, which is dependent on claim 1, Carroll teaches the UI view definition comprising a control definition for the wrapped control, wherein the control definition specifies a user interface element of the wrapped control and a program identifier of code to provide functionality of the wrapped control (page 9, (0243) and (0244)).

As per claims 19, 28 and 34, Carroll teaches the UI view manager being operable to dynamically add a new wrapped control to the user interface (page 7, (0212) and page 9, (0243)).

As per claims 21, 30 and 36, Carroll teaches the user interface including a plurality of controls (e.g. fig. 19); and it is inherent in Carroll system that the UI

view manager is operable to dynamically remove an existing control of the controls from the user interface using the GUI builder application (fig. 22).

As per claim 24, which is dependent on claim 18, Carroll teaches creating a wrapper comprising implementing at least one function of a control interface (page 9, (0244)).

As per claim 25, which is dependent on claim 24, Carroll teaches the at least one function is selected from a group consisting of a first function to cause at least one of the controls to read its internal data, a second function to cause the control to load a property of the control from the UI view definition, a third function to save a property of the control to the UI view definition, function to initialize a property of the control and a sixth function to receive a notification about a user interface event (fig. 13; pages 7 and 8, (0214)). Carroll fail to clearly teach the plurality of panels and the UI view definition specifying a layout of a plurality of panels in the user interface; the plurality of panels, each of the plurality of panels comprising a wrapped control.

However, Khalfay et al. teach the plurality of panels (column 1, lines 59-67 and column 2, lines 25-65); the UI view definition specifying a layout of a plurality of panels (figures 2-3); and the plurality of panels, each of the plurality of panels comprising a wrapped control (column 5, line 60 through column 6, line 50).

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to combine the teaching of plurality of panels of Khalfay

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with the Carroll's system. The motivation would have been to enhance the GUI for those who might need.

As per claim 26, which is dependent on claim 18, Carroll teaches:

generating a UI view manager by implementing at least one function of an UI view interface the function selected from the set a first function returning a table of references to business objects, a second function returning a parameter to provide scope of access to a control of the user interface, a third function to register a control for providing alarm information to the control, a fourth function to deregister a control to terminate providing alarm information to the control, a fifth function to create a panel for housing controls, a sixth function to create a panel for adding a control to a panel (page 13, (0264)), a seventh function to remove the panel from the user interface, an eight function to remove a control from a panel, a ninth function to activate or deactivate a control, a tenth function to display a text message of a control on a status message panel (page 6, 0203-0209). Carroll fail to clearly teach the plurality of panels and the UI view definition specifying a layout of a plurality of panels in the user interface; the plurality of panels, each of the plurality of panels comprising a wrapped control. However, Khalfay et al. teach the plurality of panels (column 1, lines 59-67 and column 2, lines 25-65); the UI view definition specifying a layout of a plurality of panels (figures 2-3); and the plurality of panels, each of the plurality of panels comprising a wrapped control (column 5, line 60 through column 6, line 50).

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It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to combine the teaching of plurality of panels of Khalfay with the Carrol's system. The motivation would have been to enhance the GUI for those who might need.

As per independent claim 39, it is a combination of claims 1 and 12; therefore, it is rejected as set for in the rejection of claims 1 and 12, combined.

Response to Arguments

Applicant has argued that the references do not teach "the wrapped control is generated using a development license key for the control and a run time license key is required to execute the wrapped controller."

However, the examiner respectfully disagrees with the arguments.

All the software applications require the license key for installing the software such as Microsoft Office, Lotus. It would have been obvious to one of skill in art, at the time the invention was made, to require the license key for each software application. Motivation of the combination would have been for allowing the software to be installed.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the

advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mylinh Tran. The examiner can normally be reached on Mon - Thu from 7:00AM to 3:00PM at 571-272-4141.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo, can be reached at 571-272-4847.

The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

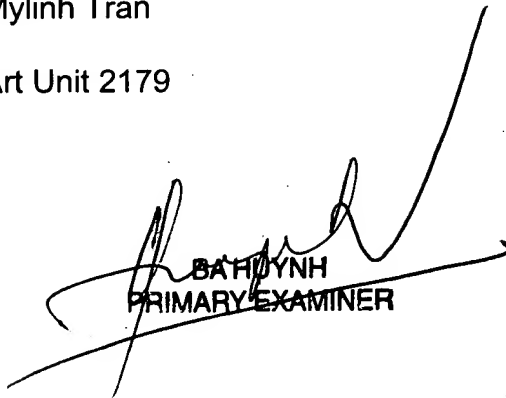
571-273-8300

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Mylinh Tran

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BAH/YNH
PRIMARY EXAMINER